

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re Patent Application of

Per HOFVANDER et al

Application No.: 08/070,455

Filed: June 9, 1993

For: GENETICALLY ENGINEERED
MODIFICATION OF POTATO TO
FORM AMYLOPECTIN-TYPE STARCH

) NON-FEE AMENDMENT

) Group Art Unit: 1804

) Examiner: D. Fox

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OCT 19 1994

GROUP TWO

AMENDMENT TRANSMITTAL LETTER

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Enclosed is an amendment for the above-identified patent application.

_____ verified statement(s) claiming small entity status
 _____ are also enclosed _____ were submitted previously.
 A Petition for Extension of Time is also enclosed.
 Also enclosed is Claim for Convention Priority, Certified Priority Document and Certified Translation, Summary of Experimental Results, Smith article, Dry article

No additional fee is required.
 An additional fee is required, and is calculated as shown below:

AMENDED CLAIMS					
	NO. OF CLAIMS	HIGHEST NO. OF CLAIMS PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	ADDT'L FEE
Total Claims	21	MINUS 20 = 1	1	x \$22 =	\$22
Independent Claims	9	MINUS 8 = 1	1	x \$76 =	\$76
If Amendment adds multiple dependent claims, add \$240.00					
Total Amendment Fee					
If small entity status is claimed, subtract 50% of Total Amendment Fee					
TOTAL ADDITIONAL FEE DUE FOR THIS AMENDMENT					\$98.00

5/16

Amendment Transmittal Letter
Page 2

[] A check in the amount of \$_____ is enclosed.
[X] Charge \$98.00 to Deposit Account No. 02-4800.

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16 and 1.17 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in triplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS

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Date: October 3, 1994

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PATENT
Attorney's Docket No. 003300-293

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PER HOFVANDER, et al

Serial No.: 08/070,455

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For: GENETICALLY ENGINEERED
MODIFICATION OF POTATO TO
FORM AMYLOPECTIN-TYPE
STARCH

) Group Art Unit: 1804

) Examiner: David T. Fox

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GROUP 1804

REPLY AND AMENDMENT PURSUANT TO 37 C.F.R. §§1.111, 1.115 AND 1.119

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

In complete response to the Official Action mailed April 1, 1994, please amend the above-cited application as follows:

IN THE CLAIMS:

Please cancel Claims 2, 3 and 5 without prejudice or disclaimer.

Please amend Claim 1 as follows:

1. (Amended) Method of suppressing amylose formation in potato, characterised by genetically engineered modification of the potato by introducing into the genome of the potato tissue a gene construct comprising a fragment of the potato gene which codes for formation of granule-bound starch synthase (GBSS gene) inserted in the antisense direction, said fragment being selected [among the] from the group consisting of fragments which essentially have the nucleotide sequences stated in SEQ ID No. 1, SEQ

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